

RRRRRRRR	MM	MM	SSSSSSSS	000000	PPPPPPPP	UU	UU	TTTTTTTTTT
RRRRRRRR	MM	MM	SSSSSSSS	000000	PPPPPPPP	UU	UU	TTTTTTTTTT
RR	RR	MMMM	SS	00	PP	UU	UU	TT
RR	RR	MMMM	SS	00	PP	UU	UU	TT
RR	RR	MM	SS	00	PP	UU	UU	TT
RR	RR	MM	SS	00	PP	UU	UU	TT
RRRRRRRR	MM	MM	SSSSSS	00	PPPPPPPP	UU	UU	TT
RRRRRRRR	MM	MM	SSSSSS	00	PPPPPPPP	UU	UU	TT
RR	RR	MM	SS	0000	PP	UU	UU	TT
RR	RR	MM	SS	0000	PP	UU	UU	TT
RR	RR	MM	SS	00	PP	UU	UU	TT
RR	RR	MM	SS	00	PP	UU	UU	TT
RR	RR	MM	SSSSSSSS	000000	PP	UUUUUUUUUU	UU	TT
RR	RR	MM	SSSSSSSS	000000	PP	UUUUUUUUUU	UU	TT

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLL	IIIIII	SSSSSSSS

(2) 71
(3) 94

DECLARATIONS
RMS\$PUT - COMMON \$PUT SETUP AND DISPATCH ROUTINE


```
0000 1          $BEGIN RMSOPUT,000,RM$RMS,<DISPATCH FOR PUT OPERATION>,<NOWRT,QUAD>
0000 2
0000 3
0000 4 *****
0000 5 *****
0000 6 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 19 *  CORPORATION.
0000 20 *
0000 21 *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23 *
0000 24 *
0000 25 *****
0000 26 *****
0000 27 **
0000 28 Facility: rms32
0000 29
0000 30 Abstract:
0000 31         this routine is the highest level control
0000 32         routine to perform the $put function.
0000 33
0000 34
0000 35
0000 36 Environment:
0000 37         star processor running starlet exec.
0000 38
0000 39 Author: L F Laverdure,          creation date: 3-FEB-1977
0000 40
0000 41 Modified By:
0000 42
0000 43 V03-007 DAS0001      David Solomon      14-Apr-1984
0000 44         Fix truncation error in CASE to RM$PUT2.
0000 45
0000 46 V03-006 JWT0141      Jim Teague         11-Nov-1983
0000 47         Change IFB$V_RUM to IFB$V_ONLY_RU
0000 48
0000 49 V03-005 KPL0003      Peter Lieberwirth   26-Jul-1983
0000 50         If AT jnling, tell RJR we're a PUT.
0000 51
0000 52 V03-004 KPL0002      Peter Lieberwirth   24-Jul-1983
0000 53         If AT jnling, get RAB data describing user's request.
0000 54
0000 55 V03-003 KPL0001      Peter Lieberwirth   20-Jun-1983
0000 56         Change some JNLFLG references to JNLFLG2.
0000 57
```

0000	58	:	V03-002	JWH0153	Jeffrey W. Horn	8-Dec-1982
0000	59	:		Don't allow \$PUT if not in recovery unit and RU only		
0000	60	:		specified for file.		
0000	61	:				
0000	62	:	V03-001	KBT0189	Keith B. Thompson	23-Aug-1982
0000	63	:		Reorganize psects		
0000	64	:				
0000	65	:	V02-005	REFORMAT	Maria del C. Nasr	24-Jul-1980
0000	66	:				
0000	67	--				
0000	68	:				
0000	69	:				

```
0000 71      .SBTTL DECLARATIONS
0000 72
0000 73 :
0000 74 : Include Files:
0000 75 :
0000 76 :
0000 77 :
0000 78 : Macros:
0000 79 :
0000 80
0000 81      $IFBDEF
0000 82      $RMSDEF
0000 83      $RJRDEF
0000 84
0000 85 :
0000 86 : Equated Symbols:
0000 87 :
0000 88 :
0000 89 :
0000 90 : Own Storage:
0000 91 :
0000 92
```



```
0000 94 .SBTTL RMSS$PUT - COMMON $PUT SETUP AND DISPATCH ROUTINE
0000 95
0000 96 :++
0000 97 RMSS$PUT - This routine performs common RAB function setup followed
0000 98 by dispatch to organization-dependent $PUT code.
0000 99
0000 100 Calling sequence:
0000 101
0000 102 entered from exec as a result of user's calling sys$put
0000 103 (e.g., by using the $put macro)
0000 104
0000 105 Input Parameters:
0000 106
0000 107 ap user's argument list addr
0000 108
0000 109 Implicit Inputs:
0000 110
0000 111 the contents of the rab and related irab and ifab.
0000 112
0000 113 Output Parameters:
0000 114
0000 115 r1 destroyed
0000 116 r0 status code
0000 117
0000 118 Implicit Outputs:
0000 119
0000 120 various fields of the rab are filled in to reflect
0000 121 the status of the $put operation. (see rms functional
0000 122 spec for a complete list.)
0000 123
0000 124 the irab is similarly updated.
0000 125
0000 126 a completion ast is queued if specified in the user arglist.
0000 127
0000 128 Completion Codes:
0000 129
0000 130 standard rms (see functional spec for list).
0000 131
0000 132 Side Effects:
0000 133
0000 134 none
0000 135
0000 136 :--
0000 137
0000 138 $ENTRY RMSS$PUT
0000 139 $TSTPT PUT
0006 140 $RABSET FAC=IFB$V_PUT,CFLG=1 ; do common setup
000A 141
000A 142
000A 143 : Returns to user on error
000A 144
000A 145
000A 146 BBC #IFB$V_ONLY RU,IFB$B_JNLFLG(R10),10$ ; branch if not RU only
0010 147 BBS #IFB$V_RUP,IFB$B_JNLFLG2(R10),10$ ; branch if in RU
0016 148 RMSERR NRU
001B 149 BRW RMSEX RMS
001E 150
```

0E 00A0 CA 00 E1 000A 146
08 00A2 CA 02 E0 0010 147
FFE2' 31 001B 149
001E 150

```
09 00A0 CA 04 E1 001E 151 10$:  
51 13 D0 001E 152  
00000000'EF 16 001E 153 :  
001E 154 : If AT journaling, get some information from RAB.  
001E 155 :  
001E 156 BBC #IFB$V,AT,IFB$B_JNLFLG(R10),20$ ; skip if not AT jnlng  
0024 157 MOVL #RJR$ PUT,R1 ; input to AT_COM_RAB  
0027 158 JSB RMSAT_COM_RAB ; get RAB data into RJR  
002D 159 20$:  
002D 160  
002D 161 :  
002D 162 : Dispatch to org-dependent code  
002D 163 : Sequential, Relative, indexed routines  
002D 164 :  
002D 165  
002D 166 CASE TYPE=B, SRC=IFB$B_ORGCASE(R10),-  
002D 167 DISPLIST=<RMSPUT1, RM_PUT2 BR, RMSPUT3>  
0038 168 .IF NE $$RMSTEST&$$RMS_TBUGCHR  
FFC5' 31 0038 169 BRW RM$ERRORG  
0038 170 .ENDC  
0038 171 RM_PUT2_BR:  
0038 172 JMP RMSPUT2  
0041 173  
0041 174 .END
```


RMSOPUT
Symbol table

DISPATCH FOR PUT OPERATION

J 10

16-SEP-1984 01:27:12 VAX/VMS Macro V04-00
5-SEP-1984 16:25:18 [RMS.SRC]RMSOPUT.MAR;1

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(3)

```
$$PSECT_EP      = 00000000
$$RMSTEST       = 0000001A
$$RMS_PBUGCHK   = 00000010
$$RMS_TBUGCHK   = 00000008
$$RMS_UMODE     = 00000004
IFBSB_JNLFLG    = 000000A0
IFBSB_JNLFLG2   = 000000A2
IFBSB_ORGCASE   = 00000023
IFBSV_AT        = 00000004
IFBSV_ONLY_RU   = 00000000
IFBSV_PUT       = 00000000
IFBSV_RUP       = 00000002
PIOSA_TRACE     = *****
RJR$ PUT        = 00000013
RMSAT_COM_RAB   = *****
RMSERRORG       = *****
RMSEX RMS       = *****
RMSPUT1         = *****
RMSPUT2         = *****
RMSPUT3         = *****
RMSRSET         = *****
RMS$PUT         = FFFFFFFE RG
RMS$ NRU        = 000187FC
RM POT2 BR      = 0000003B R
TPT$ L_POT      = *****
```

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
RMSRMS	00000041 (65.)	01 (1.)	PIC USR CON REL GBL NOSHR EXE RD NOWRT NOVEC QUAD
\$ABSS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.07	00:00:00.52
Command processing	111	00:00:00.72	00:00:05.29
Pass 1	227	00:00:05.38	00:00:14.83
Symbol table sort	0	00:00:00.72	00:00:00.84
Pass 2	45	00:00:01.01	00:00:02.01
Symbol table output	4	00:00:00.05	00:00:00.33
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	420	00:00:07.99	00:00:23.93

The working set limit was 1200 pages.
28972 bytes (57 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 584 non-local and 4 local symbols.
174 source lines were read in Pass 1, producing 13 object records in Pass 2.
18 pages of virtual memory were used to define 17 macros.

! Macro library statistics !

Macro library name	Macros defined
-----	-----
\$255\$DUA28:[RMS.OBJ]RMS.MLB;1	9
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	13

696 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:RMSOPUT/OBJ=OBJ\$:RMSOPUT MSRC\$:RMSOPUT/UPDATE=(ENH\$:RMSOPUT)+EXECML\$/LIB+LIB\$:RMS/LIB

0330 AH-BT13A-SE
VAX/VMS V4.0

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